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## Power Over Ethernet Power Supply / Inserter

The active POE splitter from Laird Technologies gives "carrier class" performance in a low cost system. With its IEEE 802.3af compatibility and advanced auto-sensing algorithm it will accept POE power from any IEEE 802.3af router or power supply. The overload and short circuit protection will shut down power immediately when a short circuit is detected without any damage to the POE system. Power (36 to 60V) is expected on ethernet pins 4/5 (V+) and 7/8 (V-) as per the IEEE 802.3af standard or pins 1,2,3,6 (Cisco Standard).

Using power over ethernet to power remote devices has several advantages including;

- The power supply can be centrally located where it can be attached to an uninterruptible power supply.
- Power can be supplied over long distances, up to 300 feet.
- Power can be available wherever network access is available
- The user has the ability to easily power on reset the attached equipment from a remote location.

The active POE splitter from Laird Technologies can be used by the original equipment manufacturer to supply power to remote equipment and devices without the expense of building in separate POE functionality into their equipment. These devices are a good fit for the industrial market for sensing and remote video applications.

For sales information:

Telephone 801-572-3024

E-Mail [sales@pacwireless.com](mailto:sales@pacwireless.com)

or visit: [www.pacwireless.com](http://www.pacwireless.com)

### Features and Benefits:

- IEEE 802.3af power over ethernet active splitter
- Choice of 5, 9, 12 or 24VDC regulated power
- 100MOhm / 1000VDC isolation
- Advanced auto-sensing intelligent algorithm
- Overload and short circuit protection
- Advanced switching technology – runs cool
- Complies with IEEE 802.3af POE standard
- FCC and CE approved
- Compatible with IEEE 802.3af routers including Cisco and Netgear

### Applications

- Remote routers, access points and bridges
- Remote networking equipment
- SOHO equipment
- IP camera systems
- VOIP systems
- IP phone systems

## Specifications

Active Splitter with Isolation	
Input Voltage	36 to 60VDC
Output Voltage	POE-5s 5VDC@ 2.4A POE-9s 9VDC @ 1A POE-12s 12VDC @ .67A POE-24s 24VDC @ .5A
Output Ripple	1% Max
Switching Frequency	100KHz Typ
Line Regulation	+/- 0.5%
Load Regulation	+/- 1%
Isolation Voltage	1000VDC
Isolation Resistance	100M Ohms (min)
Input Set Class Resistance	25K Ohms
Operating Temperature	-10 to +60 deg C
Storage Temperature	-20 to +85 deg C
Operating Humidity	5% to 90% non condensing
Size (L x W x H)	3.25" x 3" x 1.5" (83 x 76 x 38mm)
Weight	4.6oz (130gm)
Data/POE IN Conn.	RJ45 Socket
Data OUT Conn.	12" Cable with RJ45 Plug
VDC OUT Conn.	12" Cable with 5.5 x 2.1 x 12mm Adapter Plug

Compliance:	
IEEE	802.3af POE Standard
EMI	EN55022 ( CISPR22) class B Meets CE
EMS	EN61000-4-2,3,4,5,6,8,11

## System Ordering:

POE-5s-afi	5VDC 2.4A Active 802.3af POE Splitter with isolation
POE-9s-afi	9VDC 1A Active 802.3af POE Splitter with isolation
POE-12s-afi	12VDC .67A Active 802.3af POE Splitter with isolation
POE-24s-afi	24VDC .5A Active 802.3af POE Splitter with isolation

## Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty



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